

Please provide the following information, and submit to the NOAA DM Plan Repository.

Reference to Master DM Plan (if applicable)

As stated in Section IV, Requirement 1.3, DM Plans may be hierarchical. If this DM Plan inherits provisions from a higher-level DM Plan already submitted to the Repository, then this more-specific Plan only needs to provide information that differs from what was provided in the Master DM Plan.

URL of higher-level DM Plan (if any) as submitted to DM Plan Repository:

1. General Description of Data to be Managed**1.1. Name of the Data, data collection Project, or data-producing Program:**

NOAA's Hydrographic Surveys and Reports

1.2. Summary description of the data:

The National Oceanic and Atmospheric Administration (NOAA) has the statutory mandate to collect hydrographic data to support the compilation of nautical charts and for safe navigation and to provide basic data for engineering, scientific and other commercial and industrial activities. Hydrographic survey data consists primarily of water depths but also includes features (rocks, wrecks, etc.), navigational aids, shoreline and some bottom type information. Such data can also be used for storm surge modeling and fish habitat studies and support a variety of maritime functions such as port and harbor maintenance, coastal engineering, and coastal zone management.

1.3. Is this a one-time data collection, or an ongoing series of measurements?

Ongoing series of measurements

1.4. Actual or planned temporal coverage of the data:

1834 to Present

1.5. Actual or planned geographic coverage of the data:

W: -180, E: -64, N: 71, S: 15

1.6. Type(s) of data:

(e.g., digital numeric data, imagery, photographs, video, audio, database, tabular data, etc.)
PDF file (reports), MrSID and TIFF (surveys)

1.7. Data collection method(s):

(e.g., satellite, airplane, unmanned aerial system, radar, weather station, moored buoy, research vessel, autonomous underwater vehicle, animal tagging, manual surveys, enforcement activities, numerical model, etc.)

1.8. If data are from a NOAA Observing System of Record, indicate name of system:

1.8.1. If data are from another observing system, please specify:**2. Point of Contact for this Data Management Plan (author or maintainer)****2.1. Name:**

Kurt Nelson

2.2. Title:

Metadata Contact

2.3. Affiliation or facility:

Office of Coast Survey

2.4. E-mail address:

kurt.a.nelson@noaa.gov

2.5. Phone number:

301-713-2645 x142

3. Responsible Party for Data Management

Program Managers, or their designee, shall be responsible for assuring the proper management of the data produced by their Program. Please indicate the responsible party below.

3.1. Name:

Kurt Nelson

3.2. Title:

Data Steward

4. Resources

Programs must identify resources within their own budget for managing the data they produce.

4.1. Have resources for management of these data been identified?**4.2. Approximate percentage of the budget for these data devoted to data management (specify percentage or "unknown"):****5. Data Lineage and Quality**

NOAA has issued Information Quality Guidelines for ensuring and maximizing the quality, objectivity, utility, and integrity of information which it disseminates.

5.1. Processing workflow of the data from collection or acquisition to making it publicly accessible

(describe or provide URL of description):

Process Steps:

- HSD has traditionally been the organization that acquired the bulk of the

hydrographic survey data. Beginning in 1834 hydrographic data was collected by a fleet of survey ships in deep water operations supplemented inshore by field parties. Since the late 1990's many surveys have been by contractors. Through the years this process of data capture has been supplemented by other government agencies like the Corps of Engineers in channel dredging and the United States Coast Guard in Notice to Mariner publications warning of navigation dangers. Private citizens can also contribute data by sending correspondence depicting wrecks, obstructions or shoals.

5.1.1. If data at different stages of the workflow, or products derived from these data, are subject to a separate data management plan, provide reference to other plan:

5.2. Quality control procedures employed (describe or provide URL of description):

6. Data Documentation

The EDMC Data Documentation Procedural Directive requires that NOAA data be well documented, specifies the use of ISO 19115 and related standards for documentation of new data, and provides links to resources and tools for metadata creation and validation.

6.1. Does metadata comply with EDMC Data Documentation directive?

No

6.1.1. If metadata are non-existent or non-compliant, please explain:

Missing/invalid information:

- 1.7. Data collection method(s)
- 4.1. Have resources for management of these data been identified?
- 4.2. Approximate percentage of the budget for these data devoted to data management
- 5.2. Quality control procedures employed
- 7.1. Do these data comply with the Data Access directive?
- 7.1.1. If data are not available or has limitations, has a Waiver been filed?
- 7.1.2. If there are limitations to data access, describe how data are protected
- 7.4. Approximate delay between data collection and dissemination
- 8.1. Actual or planned long-term data archive location
- 8.3. Approximate delay between data collection and submission to an archive facility
- 8.4. How will the data be protected from accidental or malicious modification or deletion prior to receipt by the archive?

6.2. Name of organization or facility providing metadata hosting:

NMFS Office of Science and Technology

6.2.1. If service is needed for metadata hosting, please indicate:

6.3. URL of metadata folder or data catalog, if known:

<https://inport.nmfs.noaa.gov/inport/item/39979>

6.4. Process for producing and maintaining metadata

(describe or provide URL of description):

Metadata produced and maintained in accordance with the NMFS Data Documentation

Procedural Directive: <http://www.nmfs.noaa.gov/op/pds/documents/04/111/04-111-01.pdf>

7. Data Access

NAO 212-15 states that access to environmental data may only be restricted when distribution is explicitly limited by law, regulation, policy (such as those applicable to personally identifiable information or protected critical infrastructure information or proprietary trade information) or by security requirements. The EDMC Data Access Procedural Directive contains specific guidance, recommends the use of open-standard, interoperable, non-proprietary web services, provides information about resources and tools to enable data access, and includes a Waiver to be submitted to justify any approach other than full, unrestricted public access.

7.1. Do these data comply with the Data Access directive?

7.1.1. If the data are not to be made available to the public at all, or with limitations, has a Waiver (Appendix A of Data Access directive) been filed?

7.1.2. If there are limitations to public data access, describe how data are protected from unauthorized access or disclosure:

7.2. Name of organization of facility providing data access:

Office of Coast Survey

7.2.1. If data hosting service is needed, please indicate:**7.2.2. URL of data access service, if known:**

http://www.ngdc.noaa.gov/mgg/gdas/gd_sys.html

http://www.ngdc.noaa.gov/mgg/gdas/gd_sys.html

http://www.ngdc.noaa.gov/mgg/gdas/gd_sys.html

7.3. Data access methods or services offered:

Price information is available upon request. Pre-payment is possible by check, money order or bankcard. There is a standard handling charge with additional costs for special handling. Orders can be placed by fax, e-mail, regular mail or telephone. Data is available over internet using GEODAS and may be downloaded without charge.

Ordering Instructions: Tide and water level data can be obtained through the National Ocean Service Center for Operational Oceanographic Products and Services. Tide and Tidal Current Predictions Contact: Stephen Lyles Phone: 301-713-2877 extension 176

Email: Stephen.Lyles@noaa.gov Great Lakes Benchmark and Leveling Contact: Jeff Oyler Phone: 757-436-0200 Email: Jeff.Oyler@noaa.gov National Ports Contact: Captain David McFarland Phone: 301-713-2981 extension 127 Email: David.McFarland@noaa.gov; Tide and water level data can be obtained through the National Ocean Service's Center for Operational Oceanographic Products and Services. Tide and Tidal Current Predictions: Contact: Stephen Lyles Phone: 301-713-2877 extension 176 Email: Stephen.Lyles@noaa.gov Great Lakes Benchmark and Leveling: Contact: Jeff Oyler Phone: 757-436-0200 Email: Jeff.Oyler@noaa.gov National Ports: Contact: Captain David McFarland Phone: 301-713-2981 extension 127 Email: David.McFarland@noaa.gov;

7.4. Approximate delay between data collection and dissemination:

7.4.1. If delay is longer than latency of automated processing, indicate under what authority data access is delayed:

8. Data Preservation and Protection

The NOAA Procedure for Scientific Records Appraisal and Archive Approval describes how to identify, appraise and decide what scientific records are to be preserved in a NOAA archive.

8.1. Actual or planned long-term data archive location:

(Specify NCEI-MD, NCEI-CO, NCEI-NC, NCEI-MS, World Data Center (WDC) facility, Other, To Be Determined, Unable to Archive, or No Archiving Intended)

8.1.1. If World Data Center or Other, specify:

8.1.2. If To Be Determined, Unable to Archive or No Archiving Intended, explain:

8.2. Data storage facility prior to being sent to an archive facility (if any):

Office of Coast Survey - Silver Spring, MD

8.3. Approximate delay between data collection and submission to an archive facility:

8.4. How will the data be protected from accidental or malicious modification or deletion prior to receipt by the archive?

Discuss data back-up, disaster recovery/contingency planning, and off-site data storage relevant to the data collection

9. Additional Line Office or Staff Office Questions

Line and Staff Offices may extend this template by inserting additional questions in this section.